

rendering a page image corresponding to at least part of the document, the page image including a representation of the element; and

accessing the external component for determining a behavior of the representation of the element rendered on the page image.

A<sup>1</sup>  
2. (Amended) The computer-readable medium of claim 1 further comprising, receiving an event, and wherein accessing the external component is performed in response to the event.

3. (Amended) The computer-readable medium of claim 1 further comprising, modifying an appearance of the representation of the element in response to accessing the external component.

A<sup>2</sup>  
7. (Amended) The computer-readable medium of claim 1 further comprising, receiving a new document having another element thereon, the new document including information associating the other element with the external component, rendering a new page image corresponding to at least part of the document, the new page image including a representation of the other element, and accessing the external component for determining a behavior of the representation of the other element rendered on the new page image.

A<sup>3</sup>  
14. (Amended) The computer-readable medium of claim 1 wherein the document includes information associating the element with a second external component, and further

A3 comprising, accessing the second external component for determining a behavior of the representation of the element.

A4 17. (Amended) A method of providing dynamic effects to an HTML document, comprising, encapsulating code in an external component for affecting the behavior of elements, including elements of different documents, inserting an element into a document, attaching a reference in the document to associate the element with the external component, and providing the document to a renderer.

30. (Amended) In a computer system, a system for rendering page images on a display, comprising:

A5 an external component encapsulating code for modifying the behavior of elements, including elements of different documents; and

a renderer connected to the display for rendering page images, the renderer receiving a document having an element specified therein and information associating the element with the external component, the renderer rendering a page image corresponding to the document and accessing the external component for modifying the page image.

A6 36. (Amended) The system of claim 35 wherein the renderer calls the external component a plurality of times to draw information on the page image, and the renderer draws information on the page image between at least some of calls to the external component.